AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A rotary electric machine comprising:

a frame;

a stator whose stator-slot number Ns is 12;

a rotor whose rotor-pole number Np is 8, ~~said~~the rotor and being disposed ~~in a space~~ inside ~~said~~the stator~~; and~~wherein,

~~given that said~~ the frame has a frame thickness T(θ) at mechanical angle θ, with respect to a reference line that connects ~~the~~an inner circumferential center of the frame with an arbitrary point, other than the center, and the frame thickness around the center is circularly expanded in ~~the~~a Fourier series as expressed by equation (1),

$$T(\theta) = \sum_{n=0}^{\infty} T_n \cos(n\theta + \phi_n) \qquad (1)$$

(~~wherein~~where n is 0, 1, 2, 3, . . . ., $T_n$ is the magnitude of the n-th component of the frame thickness when T(θ) is expanded in the Fourier series as in equation (1), and $\phi_n$ is ~~the~~ phase),

~~and that~~ the difference between the stator-slot number Ns and the rotor-pole number Np is k ( = |Ns – Np|), and

stress-relieving spaces ~~provided~~are located in portions of ~~said~~the frame in an arrangement that does not have 90-degree mechanical angle rotational symmetry, in such a way that the sum P of inclusion ratios for the k-th component $T_k$ and the Np-th component $T_{Np}$ ~~that~~,which are the Fourier series expansion coefficients for the frame thickness T(θ) expressed by equation (2)

$$P = (T_k + T_{Np}) / \sum_{n=0}^{\infty} T_n \times 100\ [\%] \qquad (2)$$

~~falls under~~, is less than 12%.

2. (Currently Amended) ~~A~~The rotary electric machine as recited in claim 1, wherein effective frame thickness is replaced with $2T_0$ when the frame thickness T(θ) is not smaller than $2T_0$,, and then the effective frame thickness, instead of ~~said~~the frame thickness, is circularly expanded in the Fourier series, where $T_0$ is the average frame thickness.

3. (Currently Amended) ~~A~~The rotary electric machine as recited in claim 1, wherein ~~said~~the stress-relieving spaces are at least either stress-relieving grooves ~~provided~~located on

the outer and inner circumferences of the frame, or stress-relieving holes ~~provided~~located in the frame.

4. (Currently Amended) ~~A~~The rotary electric machine as recited in claim 1, wherein at least a portion of the cross-section of ~~said~~the stress-relieving spaces in a plane orthogonal to the center axis of the frame inner circumference is shaped in a curved line.

5. (Currently Amended) ~~A~~The rotary electric machine as recited in claim 1, wherein ~~said~~the stress-relieving spaces mixedly include holes that are drilled through the frame member and holes not drilled therethrough.

6. (Currently Amended) ~~A~~The rotary electric machine as recited in claim 1, wherein~~,~~ the contour of ~~said~~the frame in a cross-sectional plane orthogonal to the center axis of the frame inner circumference is approximately square.